

Title (en)

A DEVICE WITH HOST INDICATION COMBINATION.

Title (de)

VORRICHTUNG MIT HAUPTRECHNERINDIKATIONSSIGNALEN.

Title (fr)

DISPOSITIF AVEC COMBINAISON DE SIGNAUX D'INDICATION DE L'HOTE.

Publication

**EP 0660955 A1 19950705 (EN)**

Application

**EP 93921684 A 19930917**

Priority

- US 9308866 W 19930917
- US 94777392 A 19920918

Abstract (en)

[origin: WO9407201A1] Combined indication signals of data block transfers are generated by a device which reduces the number of interrupts to a host processor (5). The reduction in the number of interrupts enhances host system performance during data block transfers. An embodiment of the device may be a network adapter (3a) comprising network interface logic (11) for transferring a data frame between a network (2) and a buffer memory (9) and host interface logic (11) for transferring a data frame between a buffer memory (9) and a host system (1). The network adapter (3a) further includes threshold logic (10) for generating an early receive indication signal when a portion of the data frame is received. Indication combination logic (10a) delays the generation of a transfer complete interrupt to slightly before the expected occurrence of the early receive indication. The host processor (5) is able to service both the transfer complete indication and the early receive indication in a single interrupt service routine caused by the transfer complete indication.

IPC 1-7

**G06F 13/24**; **G06F 9/46**; **G06F 13/12**

IPC 8 full level

**G06F 13/00** (2006.01); **G06F 13/12** (2006.01); **G06F 13/24** (2006.01); **H04L 12/56** (2006.01)

CPC (source: EP KR US)

**G06F 13/12** (2013.01 - KR); **G06F 13/128** (2013.01 - EP US); **G06F 13/24** (2013.01 - EP US); **H04L 49/90** (2013.01 - EP US); **H04L 49/901** (2013.01 - EP US); **H04L 49/9047** (2013.01 - EP US); **H04L 49/9068** (2013.01 - EP US)

Cited by

US9224958B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**WO 9407201 A1 19940331**; AU 4930093 A 19940412; AU 674341 B2 19961219; CA 2143951 A1 19940331; CA 2143951 C 20010102; DE 69329684 D1 20001221; DE 69329684 T2 20010621; EP 0660955 A1 19950705; EP 0660955 A4 19950517; EP 0660955 B1 20001115; JP 2584957 B2 19970226; JP H07507173 A 19950803; KR 100186928 B1 19990515; KR 950703766 A 19950920; US 5319752 A 19940607

DOCDB simple family (application)

**US 9308866 W 19930917**; AU 4930093 A 19930917; CA 2143951 A 19930917; DE 69329684 T 19930917; EP 93921684 A 19930917; JP 50837294 A 19930917; KR 19950701048 A 19950317; US 94777392 A 19920918